

In view of the above amendments and the cited references, it is believed by the Applicant that the pending claims 1 - 42 shall be in condition for allowance. Therefore, it is believed that the entire application is now in condition for allowance, early and favorable action is being respectfully solicited.

If there are any issues remaining which the Examiner believes could be resolved through either a Supplementary Response or an Examiner's Amendment, the Examiner is respectfully requested to contact the undersigned at (408)777-8873.

I hereby certify that this correspondence is being faxed to the attention of Mr. Examiner William L. Bashore at (703)746-7238.

on 3/29, 2002.

Signed: Joe Zheng

Dated this 29th day of March, 2002

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## Version with markings to show changes made

### In the Claims

Please amend Claims 1-5, 8, 12, 15-17, 25-29, 36 and 39-41 as follows:

1. (*twice amended*) A method for producing a structured document, the method comprising:
  - receiving a definition file including document type definitions (DTD);
  - displaying [a metafile] an output presentation along with the definition file, the [metafile] output presentation including a number of displayable objects being displayed and respective decoration attributes about each of the displayable objects;
  - associating at least one of the definitions in the definition file with one of the displayable objects; and
  - creating the structured document from the [metafile] output presentation in accordance with the at least one of the definitions being associated with the one of the displayable objects.
2. (*twice amended*) The method of claim 1 further comprising:
  - generating a modified [metafile] output presentation that includes the displayable objects, each of the displayable objects being modified in accordance with the at least one of the definitions in the definition file.
3. (*once amended*) The method of claim 2 further comprising converting the [modified metafile] output presentation to a markup language file in accordance with a set of mapping rules.
4. (*once amended*) The method of claim 1, wherein the definition file includes a structure for document elements, each corresponding to one of the displayable objects in the output presentation [metafile].
5. (*once amended*) The method of claim 4, wherein some of the document elements include another layer of sub-document elements, each of sub-

document elements corresponds to one of the displayable objects in the [metafile] output presentation.

6. *(no change)* The method of claim 4, wherein at least some of the document elements include respectively a number of identifiers, each of the identifiers being assigned to one of the at least some of the document elements.
7. *(no change)* The method of claim 6, wherein some of the identifiers are one or more of numerals and alphabets.
8. *(once amended)* The method of claim 6, wherein some of the identifiers are selected from a group consisting of a font type, a color name, a size, a style, and an effect.[.]
9. *(no change)* The method of claim 6, wherein the associating of the at least one of the definitions in the definition file comprises:  
selecting one of the displayable objects; and  
assigning one of the identifiers to the selected display object.
10. *(no change)* The method of claim 9, wherein the one of the identifiers is either a numeral or an alphabet.
11. *(no change)* The method of claim 10, wherein the one of the identifiers is one or more of (i) a font type, (ii) a color, (iii) a size, (iv) a style, and (v) an effect..
12. *(once amended)* The method of claim 1, wherein the [metafile] output presentation is or is [generated] produced from an unstructured document that is composed, edited or managed by an authoring tool.
13. *(no change)* The method of claim 12, wherein some of the displayable objects are respective groups of characters.

14. *(no change)* The method of claim 13, wherein some of the decoration attributes include at least positions, font color, font size, font type, style, and effect for each of the groups of characters.
15. *(twice amended)* A method for producing a structured document, the method comprising:
- activating an environment including a first display and a second display, the first display displaying [a metafile] an output presentation and the second display displaying a definition file including document type definitions (DTD), wherein the [metafile] an output presentation including a number of displayable objects being displayed and respective decoration attributes about each of the displayable objects, wherein each of the document type definitions includes an Identifier;
  - forming a number of group objects, each of the group objects including one or more of the displayable objects; and
  - associating each of the group objects with the identifier in one of the document type definitions; and
  - creating the structured document from the [metafile] output presentation in accordance with the at least one of the definitions being associated with the one of the displayable objects.
16. *(once amended)* The method of claim 15 further comprising generating a modified [metafile] output presentation including information of each of the group objects being associated with the Identifier in one of the document type definitions.
17. *(once amended)* The method of claim 16 further comprising:
- converting the modified [metafile] output presentation to a markup language file in accordance with mapping rules.
18. *(no change)* The method of claim 17 wherein the markup language file is suitable for presentation on a selected media.

19. *(no change)* The method of claim 18 wherein the selected media is a web presentation on the Internet.
20. *(no change)* The method of claim 18 wherein the markup language file is based on a markup language selected from a group consisting of HyperText Markup Language (HTML), compact HyperText Markup Language (cHTML), Extensible Markup Language (XML), Standard Generalized Markup Language (SGML) or Wireless Markup Language (WML).
21. *(no change)* The method of claim 15 wherein some of the decoration attributes include at least position, font type, color, size, style, and effect for each of the groups of characters.
22. *(no change)* The method of claim 21 wherein some of the displayable objects are respective groups of characters.
23. *(no change)* The method of claim 22, wherein the identifier is one or more of a numeral and an alphabet.
24. *(no change)* The method of claim 23, wherein the identifier is one or more of (i) a font type, (ii) a color, (iii) a size, (iv) a style, and (v) an effect.
25. *(twice amended)* A machine-readable medium embodying instructions for execution by a processor, the instructions, when executed by the processor, causing the processor to produce a structured document, the machine-readable medium comprising:
- program code for receiving a definition file including document type definitions (DTD);
  - program code for displaying [a metafile] an output presentation along with the definition file, the [metafile] output presentation including a number

of displayable objects being displayed and respective decoration attributes about each of the displayable objects;  
program code for associating at least one of the definitions in the definition file with one of the displayable objects; and  
program code for creating the structured document from the [metafile] output presentation in accordance with the at least one of the definitions being associated with the one of the displayable objects.

26. (*twice amended*) The machine-readable medium of claim 25 further comprising:

program code for generating a modified [metafile] output presentation that includes the displayable objects, each of the displayable objects being modified in accordance with the at least one of the definitions in the definition file.

27. (*once amended*) The machine-readable medium of claim 25 further comprising program code for converting the modified [metafile] output presentation to a markup language file in accordance with a set of mapping rules.

28. (*once amended*) The machine-readable medium of claim 25, wherein the definition file includes a structure for document elements, each corresponding to one of the displayable objects in the [metafile] output presentation.

29. (*once amended*) The machine-readable medium of claim 28, wherein some of the document elements include another layer of sub-document elements, each of sub-document elements corresponds to one of the displayable objects in the [metafile] output presentation.

30. (*no change*) The machine-readable medium of claim 28, wherein at least some of the document elements include respectively a number of identifiers,

each of the identifiers being assigned to one of the at least some of the document elements.

31. *(no change)* The machine-readable medium of claim 30, wherein some of the identifiers are one of either numerals or alphabets.
32. *(no change)* The machine-readable medium of claim 30, wherein some of the identifiers are selected from a group consisting of a font type, a color, a size, a style, and an effect.
33. *(no change)* The machine-readable medium of claim 30, wherein the associating of the at least one of the definitions in the definition file comprises:  
program code for selecting one of the displayable objects; and  
program code for assigning one of the identifiers to the selected display object.
34. *(no change)* The machine-readable medium of claim 33, wherein the one of the identifiers is one or more of a numeral and an alphabet.
35. *(no change)* The machine-readable medium of claim 34, wherein the one of the identifiers is one or more of (i) a font type, (ii) a color, (iii) a size, (iv) a style, and (v) an effect.
36. *(once amended)* The machine-readable medium of claim 25, wherein the [metafile] output presentation is or is generated from an unstructured document that is composed, edited or managed by an authoring tool.
37. *(no change)* The machine-readable medium of claim 36, wherein some of the displayable objects are respective groups of characters.

38. *(no change)* The machine-readable medium of claim 37, wherein some of the decoration attributes include at least position, font type, color, size, style, and effect for each of the groups of characters.

39. *(twice amended)* A machine-readable medium embodying instructions for execution by a processor, the instructions, when executed by the processor, causing the processor to produce a structured document, the machine-readable medium comprising:

program code for activating an environment including a first display and a second display, the first display displaying [a metafile] an output presentation and the second display displaying a definition file including document type definitions (DTD), wherein the [metafile] output presentation including a number of displayable objects being displayed and respective decoration attributes about each of the displayable objects, and wherein each of the document type definitions includes an identifier;

program code for forming a number of group objects, each of the group objects including one or more of the displayable objects;

program code for associating each of the group objects with the identifier in one of the document type definitions; and

program code for creating the structured document from the [metafile] output presentation in accordance with the at least one of the definitions being associated with the one of the displayable objects.

40. *(once amended)* The machine-readable medium of claim 39 further comprising program code for generating a modified [metafile] output presentation including information of each of the group objects being associated with the identifier in one of the document type definitions.

41. *(once amended)* The machine-readable medium of claim 40 further comprising program code for converting the modified [metafile] output presentation to a markup language file in accordance with mapping rules.



42. (no change) The method of claim 39 wherein some of the decoration attributes include at least position, font type, color, size, style, and effect for each of the groups of characters and wherein some of the displayable objects are respective groups of characters.

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attributes include at least position, font type, color, size, style, and effect for each of the groups of characters and wherein some of the displayable objects are respective groups of characters.